

1/10

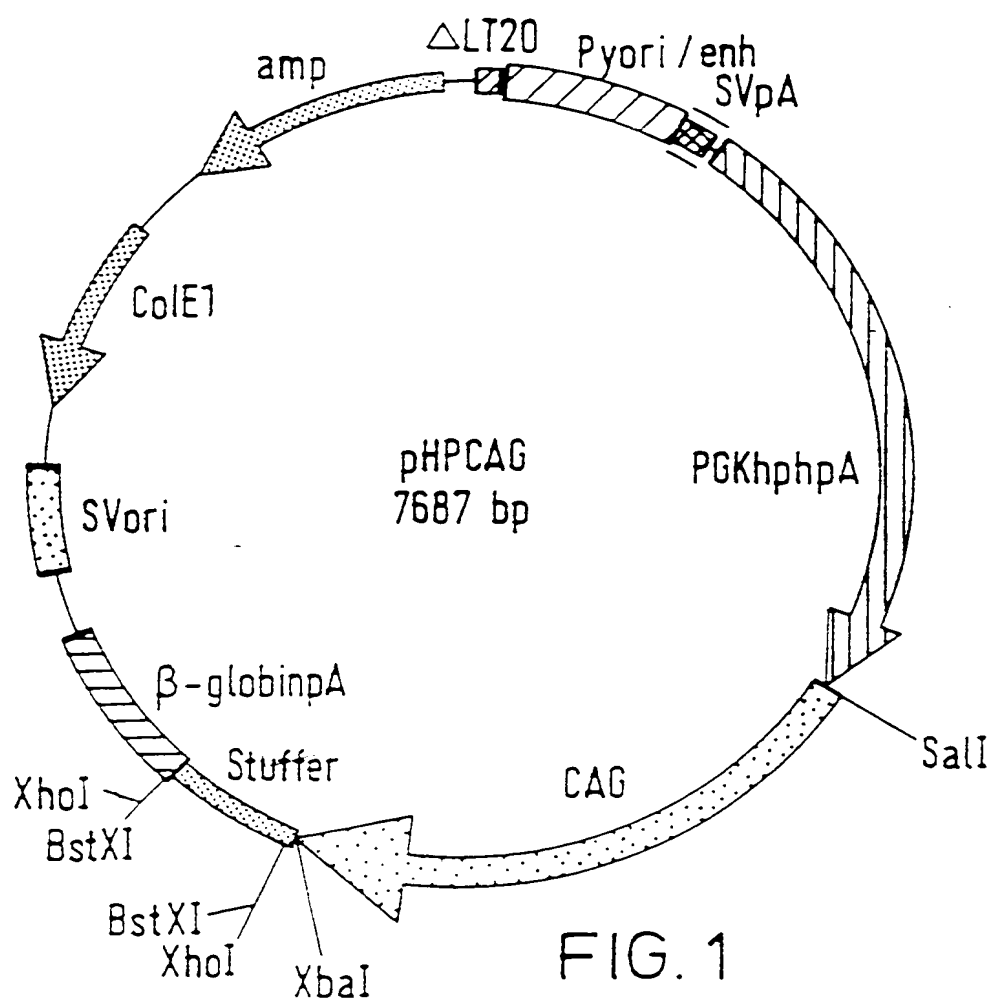


FIG. 1

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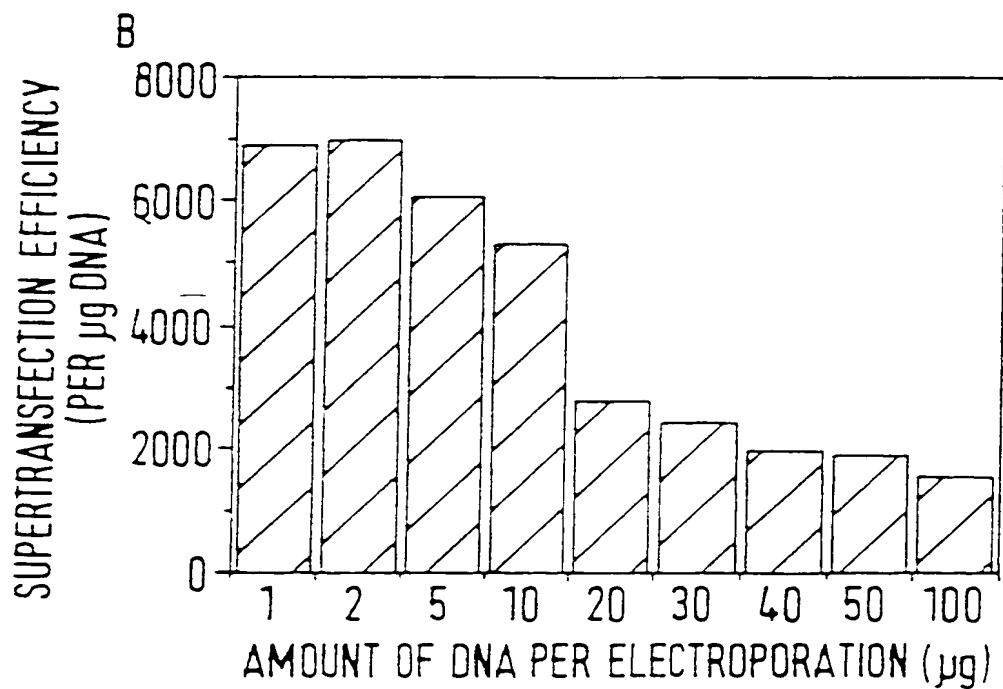
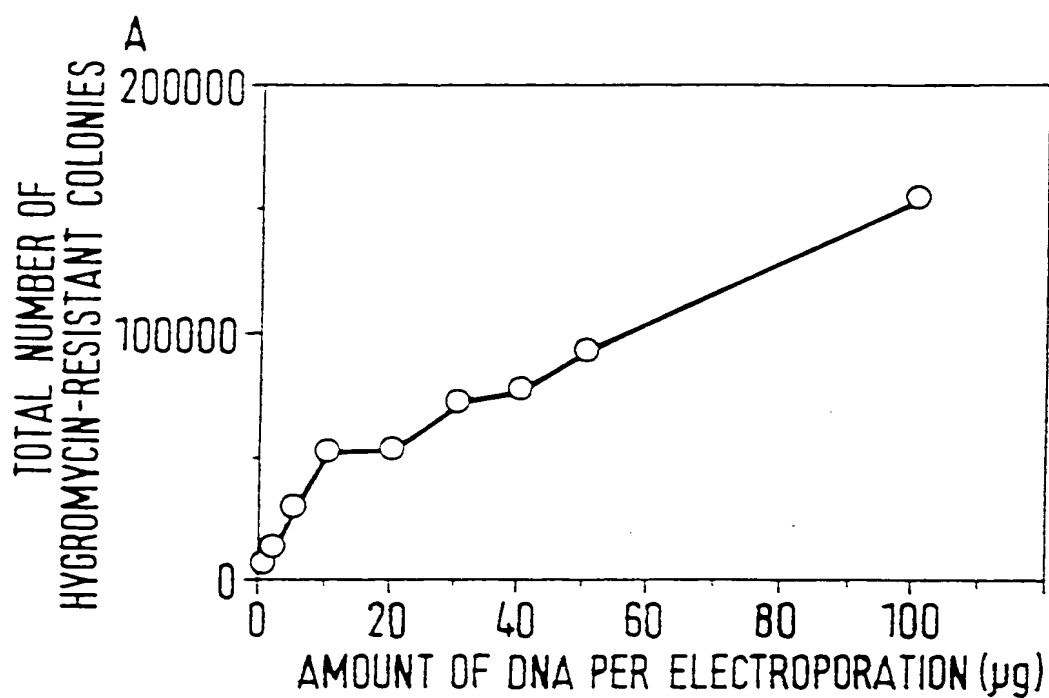


FIG. 2

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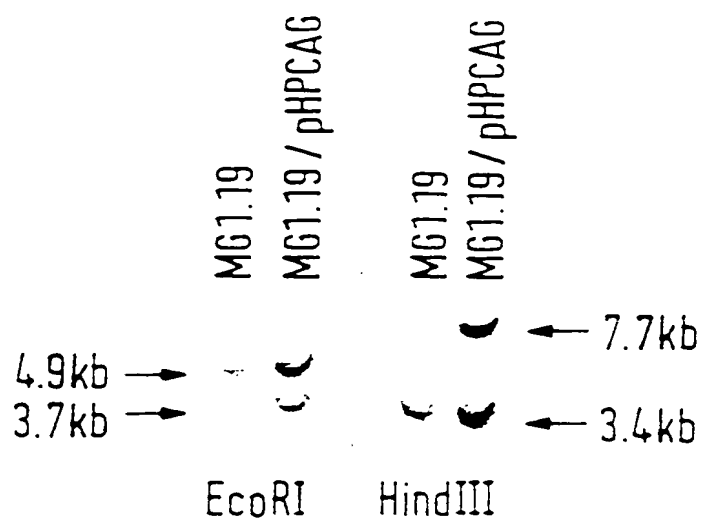


FIG. 3

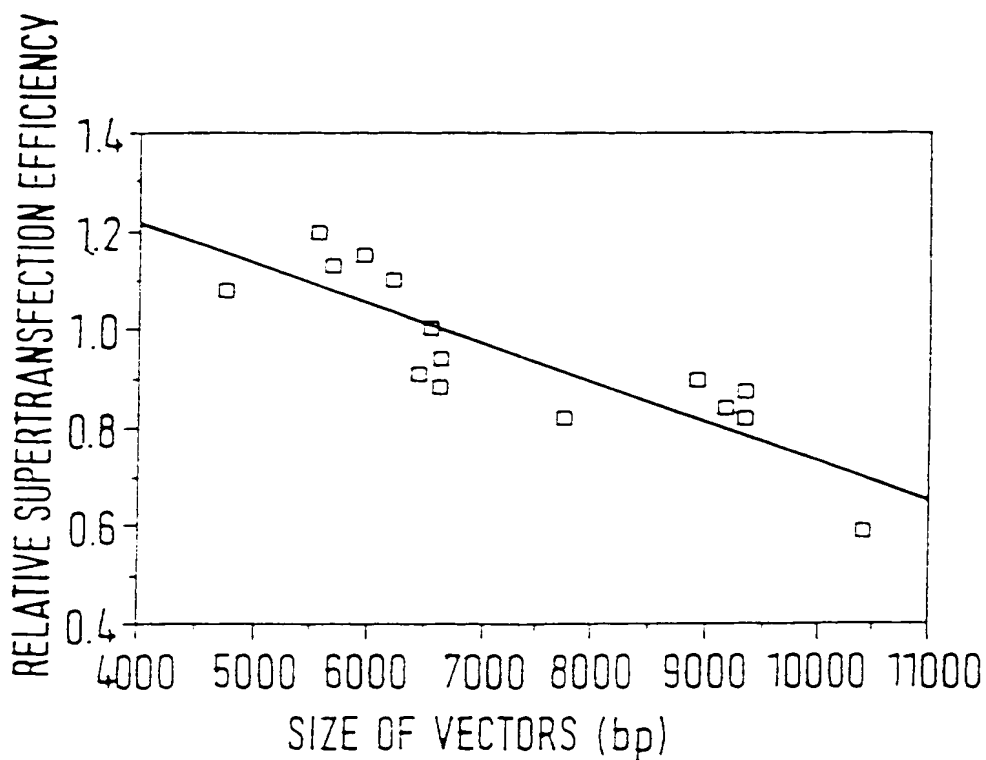


FIG. 4

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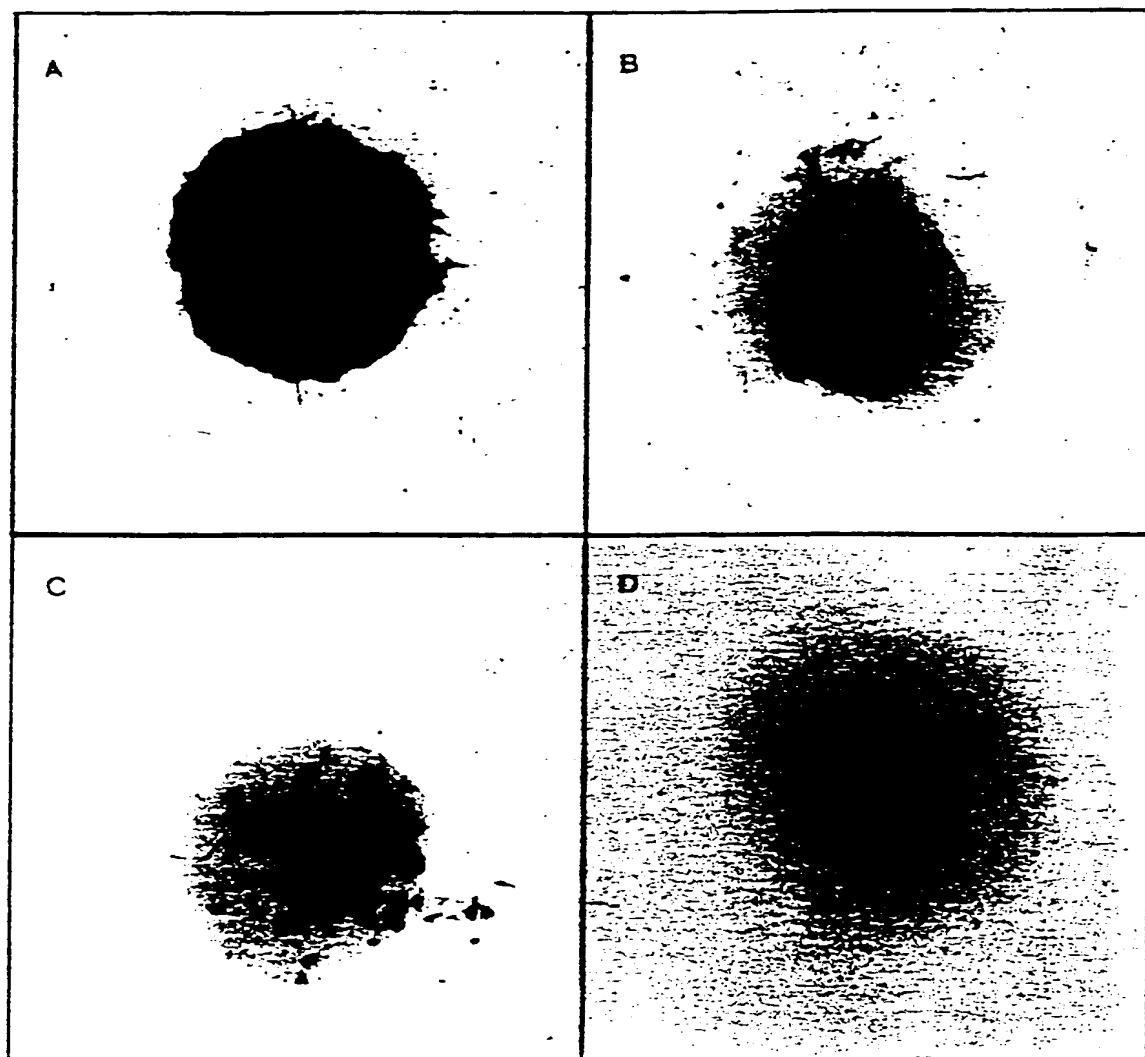


FIG. 5

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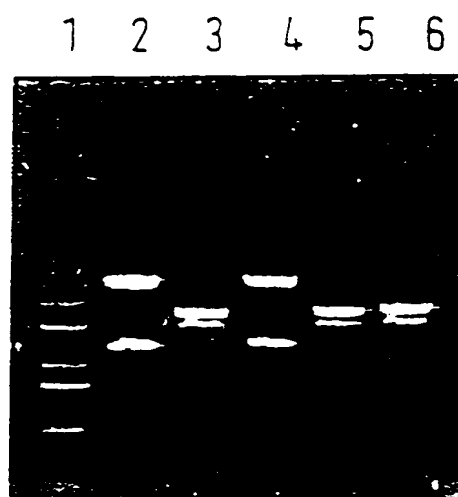


FIG. 6

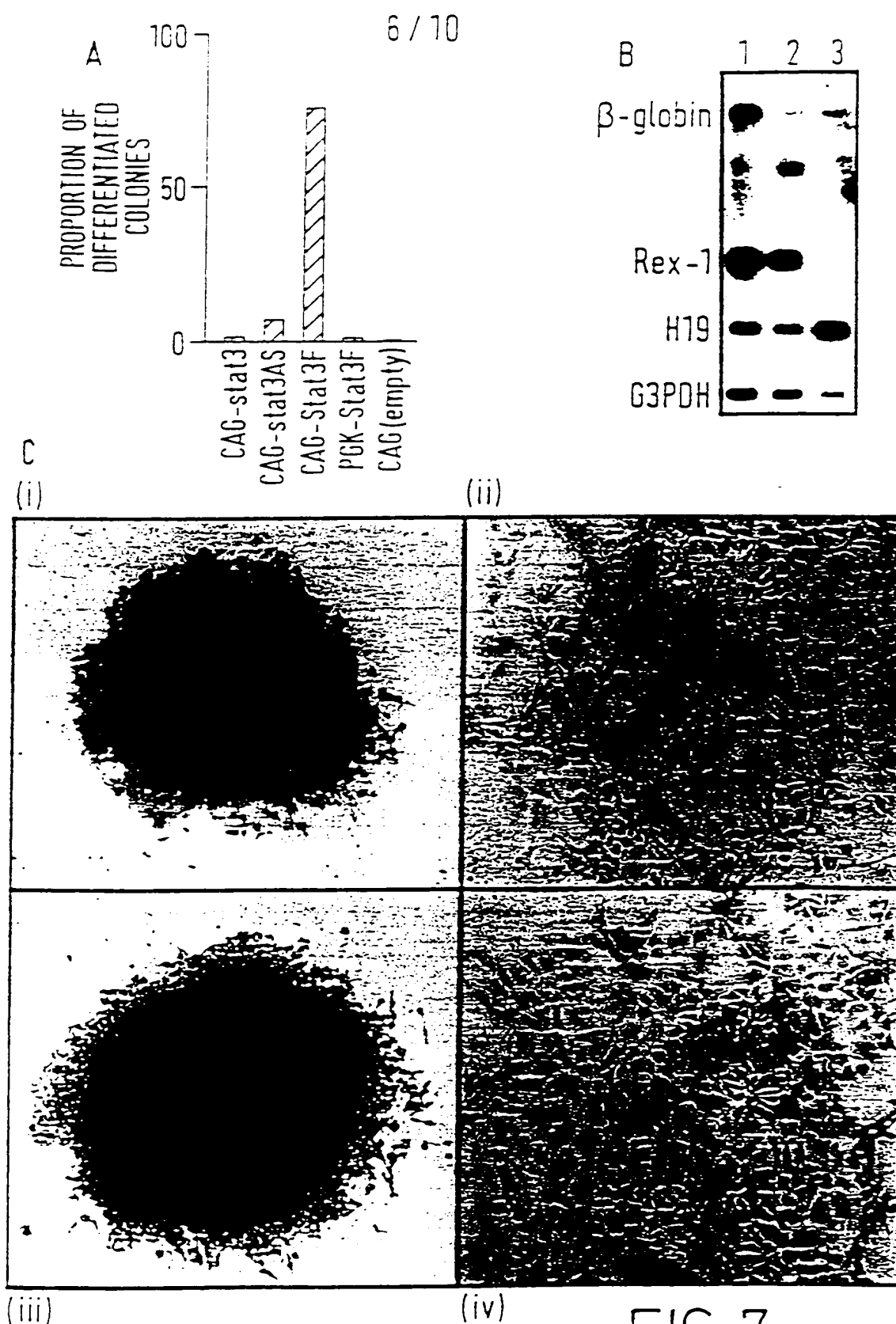


FIG. 7

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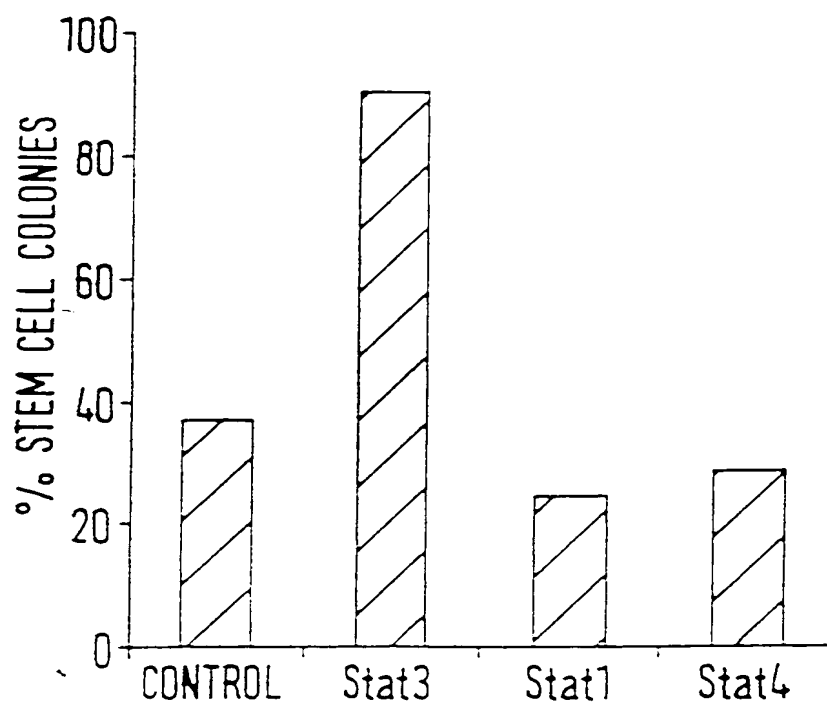


FIG. 8

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FIG. 9

SEQUENCE OF LINKER OLIGONUCLEOTIDES.

a) FLAG linker

FLAG epitope

XhoI NotI Gly Ser ASP TYR LYS ASP ASP
 ASP CTA GAC TCG AGT AGC GGC CGC GGC AGC GAC TAC AAG GAC
 GAC GAC

BssHII

ASP LYS Gly Ser Cys Arg Ala
 GAC AAG GGG AGC TGC CGC GCG C

b) [gly₄ ser]₂ linker

XhoI NotI Gly Gly Gly Gly Ser Gly Gly
 Gly Gly Ser
 CTA GAC TCG AGT AGC GGC CGC GGA GGC GGA TAC GGA AGC GGA
 GGA GGC AGC

BssHII

Cys Arg Ala
 TGC CGC GCG C

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FIG. 10

SEQUENCE OF TRUNCATED AND MODIFIED IL6R.

a) FLAGdeltaIL6R

TCTAGACTCGAGTAGCGGCGCGGCGAGCGACTACAAGGACGACGACGACGAGGAGGAGCTGCCGCGCGCTGGAGGT
GGCAAATGGCACAGTGCACAAGCCTGCCAGGGGCCACCGTTACCGTGATTTGCCCGGGGAAGGAAGCAGCAGGCAA
TGTTACCAATTCAGTGGGTGTACTCTGGCTCACAACACAGAGAATGGACTACCAAGGAAAACACACTGGTTCTGAG
GGACGTGCAGCTCAGCGACACTGGGGAATAATATGCTCCCTGAATGATCAGCTGGTGGGGACTGTGCCCTTGCT
GGTGGATGTTCCCCCAGAGGAGCCCCAGCTCTCCTGCTTCCGGAAGAACCCCTTGTCAACGCCATCTGTGAGTG
GCGTCCGAGCAGCACCCCTCTCCAACCAAGAGGCTGTGCTGTTGCAAAGAAAATCAACACCAACCGGAA
GAGTGACTTCCAGGTGCCCTGCCAGTATTCTCAGCAGCTGAAAAGCTTCTCCTGCCAGGTGGAGATCCTGGAGGG
TGACAAAGTATACCAATAGTGTCACTGTGCGTTGCAAACAGTGTGGGAAGCAAATCCAGCCACAACGGAAGCGTT
TCACAGCTTAAAAATGGTGCAGCCGGATCCACCTGCCAACCTTGTGGTATCAGCCATACCTGGAAGGCCGCGCTG
GCTCAAAGTCAGCTGGCAGCACCTGAGACCTGGGACCCGAGTTACTACTTGTGCACTTCCAGCTTCGATACCG
ACCTGTATGGTCAAAGGAGTTCACGGTGTGCTGCTCCCGGTGGCCCACTACCAATGCGTCATCCATGATGCCCTT
GCGAGGAGTGAAGCACTGGTCCAGGTCCGTGGGAAGGAGGAGCTTGACCTTGGCCAGTGGAGTGAATGGTCCCC
AGAGGTCACGGGCACTCCTTGGATAGCAGAGCCCAAGGACCAACCCCGGCAAGAACTCTCTGGAACCCCAACAGGT
CTCTGTTGAAGACTCTGCCAACCAAGGATCAGTACGAAAGTTCTACAGAAGCAACGAGTGTCTCTGCCCCAGT
GCAAGAACTCTCTGTCATGTCCCTGCCCACTTCTGCTAGCTGGAGGAAGCTTGGCGTTTGGGTTGCTTCTCTG
TGTCTTCATCATCTCTGAGACTCAAGCAGAAATGGAAGTCAGAGGCTGAGAAGGAAAGCAAGACGACCTCTCTCC
ACCCCCACCGTATTCTTGGGCCCCACTGAAGCCGACCTTCTCTGCTTCTCTCTCACCACACAGCTCTGG
GTCTGACAAATACCTTAAACCAAGCTGCTGGGTGTGAGGGACGACAGAGCCCTTATGACAAACAGCAACAGAGA
CTACTTATCCCCAGATAA

b) [gly,ser]₂deltaIL6R

TCTAGACTCGAGTAGCGGCGCGGAGGCGGAGGAAGCGGAGGAGGAGGAGCTGCCGCGCGCTGGAGGTGGCAA
TGCCACAGTGCACAAGCCTGCCAGGGGCCACCGTTACCGTGATTTGCCCGGGGAAGGAAGCAGCAGGCAA
CAATTCAGTGGGTGTACTCTGGCTCACAACACAGAGAATGGACTACCAAGGAAAACACACTGGTTCTGAGGGACGT
GCAGCTCAGCGACACTGGGGAATAATATGCTCCCTGAATGATCAGCTGGTGGGGACTGTGCCCTTGCTGGTGGGA
TGTTCCCCCAGAGGAGCCCCAGCTCTCCTGCTTCCGGAAGAACCCCTTGTCAACGCCATCTGTGAGTGGCGTCC
GAGCAGCACCCCTCTCCAACCAAGAGGCTGTGCTGTTGCAAAGAAAATCAACACCAACCGGAAAGAGTGA
CTTCCAGGTGCCCTGCCAGTATTCTCAGCAGCTGAAAAGCTTCTCCTGCCAGGTGGAGATCCTGGAGGGTGACAA
AGTATACCAATAGTGTCACTGTGCGTTGCAAACAGTGTGGGAAGCAAATCCAGCCACAACGGAAGCGTTTCACAG
CTTAAAAATGGTGCAGCCGGATCCACCTGCCAACCTTGTGGTATCAGCCATACCTGGAAGGCCGCGCTGGCTCAA
AGTCAGCTGGCAGCACCTGAGACCTGGGACCCGAGTTACTACTTGTGCACTTCCAGCTTCGATACCGACCTGT
ATGGTCAAAGGAGTTCACGGTGTGCTGCTCCCGGTGGCCCACTACCAATGCGTCATCCATGATGCCCTTGCAGG
AGTGAAGCACTGGTCCAGGTCCGTGGGAAGGAGGAGCTTGACCTTGGCCAGTGGAGTGAATGGTCCCCCAGAGGT
CACGGGCACTCCTTGGATAGCAGAGCCCAAGGACCAACCCCGGCAAGAACTCTCTGGAACCCCAACAGGTCTCTGT
TGAAGACTCTGCCAACCAAGGATCAGTACGAAAGTTCTACAGAAGCAACGAGTGTCTCTGCCCCAGTGCAGA
ATCCTGTCATGTCTCTGCCCACTTCTGCTAGCTGGAGGAAGCTTGGCGTTTGGGTTGCTTCTCTGTGTCTT
CATCATCTCTGAGACTCAAGCAGAAATGGAAGTCAGAGGCTGAGAAGGAAAGCAAGACGACCTCTCTCCACCCCC
ACCGTATTCTTGGGCCCCACTGAAGCCGACCTTCTCTGCTTCTCTCTCACCACACAGCTCTGGGTCTGA
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ATTCCCCAGATAA

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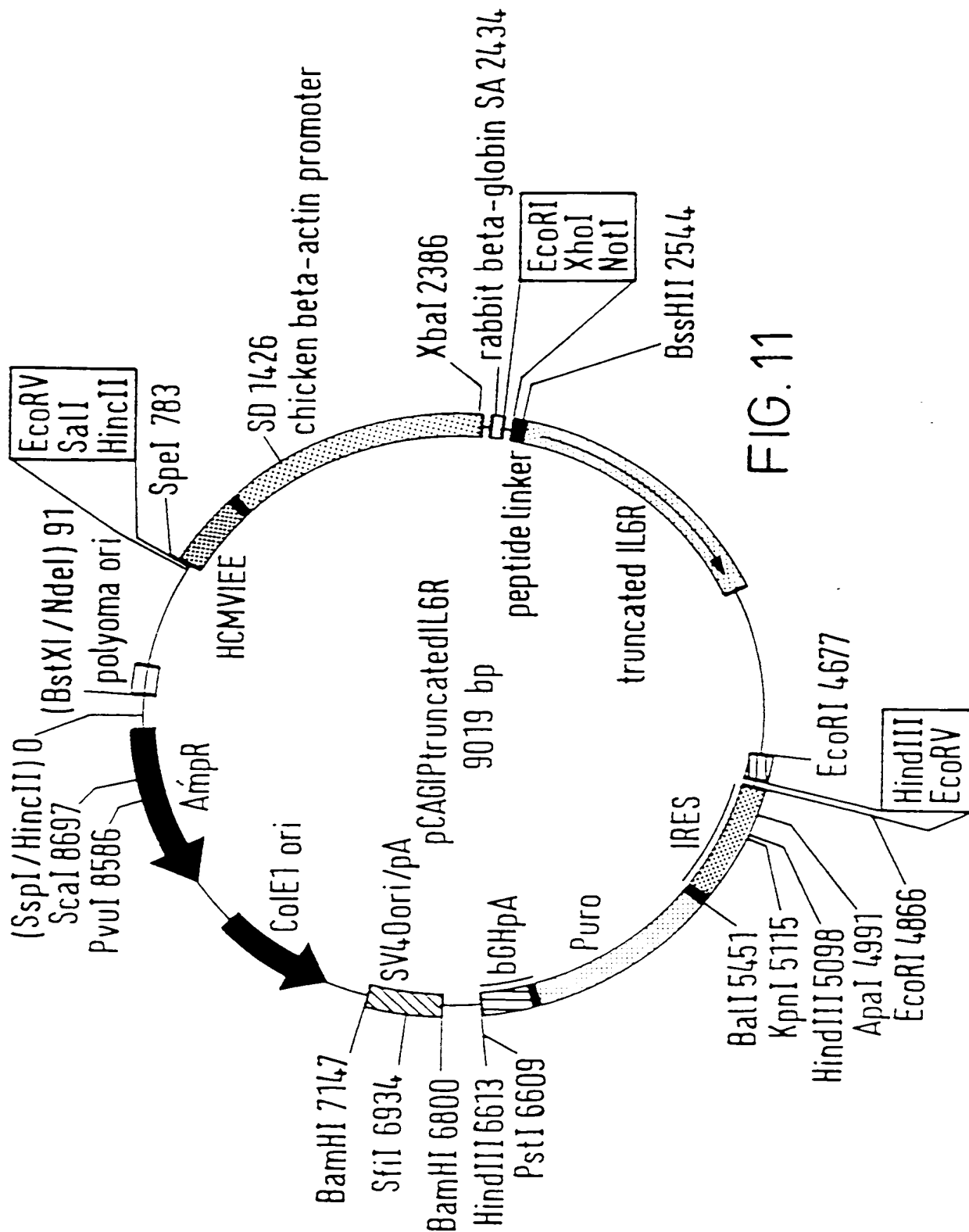


FIG. 11